

Converting Colors

$Yxy(18.1473, 0.4424, 0.2333)$

Have a look what the booklet for
Yxy(18.1473, 0.4424, 0.2333)
contains.

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Color

Yxy(18.1280, 0.4414, 0.2329)

Conversions

Conversions Part 1

Format	Color
Hex	DB2489
RGB	219, 36, 137
RGB Percent	86%, 14%, 54%
CMY	0.1412, 0.8586, 0.4628
CMYK	0.00, 0.84, 0.37, 0.14
HSL	327°, 72%, 50%
HSV	327°, 84%, 86%
XYZ	34.3568, 18.1280, 25.3512
YIQ	102.2310, 76.6470, 70.2070

Conversions

Conversions Part 2

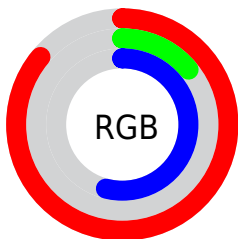
Format	Color
R_{YB}	219, 36, 137
Decimal	14361737
CIE _{Lab}	49.65, 73.19, -9.85
CIE _{LCh}	50, 73.854, 352.337
Yxy	18.1280, 0.4414, 0.2329
Android (android.graphics.Color)	4292551817 (0xFFDB2489)
YUV	102.2310, 17.1411, 102.4064
Hunter-Lab	42.5770, 69.5279, -5.4985

Details

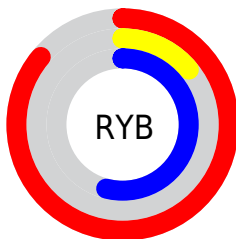
The Yxy color **18.1280, 0.4414, 0.2329** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **52.3428, 0.2731, 0.4874**, and the grayscale version is **13.2962, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.8783, 0.3883, 0.2441**, and **7.9572, 0.4723, 0.2376** is the 20% darker color. If you saturate the color by 10%, you get **16.9134, 0.4627, 0.2356**, and if you desaturate by 10%, it is **20.1798, 0.4199, 0.2355**.

Distribution



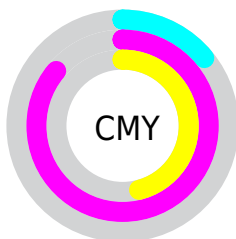
- Red (86%)
- Green (14%)
- Blue (54%)



- Red (86%)
- Yellow (14%)
- Blue (54%)



- Cyan (0%)
- Magenta (84%)
- Yellow (37%)
- Black (14%)





- Cyan (14%)
- Magenta (86%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.1280, 0.4414, 0.2329 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 18.1280, 0.4414, 0.2329 by changing the saturation by 10% instead.


 18.1280, 0.4414,
0.2329


 18.1280, 0.4414,
0.2329


241.5915, 0.3695,
0.2849


 11.0419, 0.4621,
0.2187


 40.2553, 0.4133,
0.2527


 6.0950, 0.4904,
0.1998


 56.0653, 0.4033,
0.2599


 2.9030, 0.5311,
0.1736

 75.5521, 0.3952,
0.2658

 1.0813, 0.5934,
0.1360

 99.1001, 0.3883,
0.2709

 0.0000, 0.7660,
0.0000

 127.0936, 0.3825,
0.2751

 0.0000, 1.0000,
0.0000

159.9171, 0.3775,

 0.0000, 0.0000,

0.2788

0.0000

197.9549, 0.3732,
0.2821

■ 18.1280, 0.4414,
0.2329

■ 18.1280, 0.4414,
0.2329

■ 16.9134, 0.4627,
0.2356

■ 20.1798, 0.4199,
0.2355

■ 16.4349, 0.4762,
0.2397

■ 23.1947, 0.3991,
0.2428


■ 27.2805, 0.3800,
0.2537

■ 32.5294, 0.3628,
0.2668

■ 39.0238, 0.3479,
0.2812

 46.8384, 0.3352,
0.2959

 56.0423, 0.3245,
0.3104

 66.6993, 0.3155,
0.3243

 78.8694, 0.3081,
0.3373

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



18.1280, 0.2956, 0.1770



18.1280, 0.4414, 0.2329



18.1280, 0.5541, 0.3047

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



18.1280, 0.4414, 0.2329



18.1280, 0.3942, 0.5673



18.1280, 0.1053, 0.1865

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



18.1280, 0.4414, 0.2329



52.3428, 0.2731, 0.4874

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



18.1280, 0.1175, 0.2832



18.1280, 0.4414, 0.2329



18.1280, 0.2774, 0.5843

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



18.1280, 0.4414, 0.2329



18.1280, 0.5013, 0.4760



18.1280, 0.1748, 0.4513



18.1280, 0.1273, 0.1489

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



18.1280, 0.4414, 0.2329



18.1280, 0.5752, 0.3565



18.1280, 0.1748, 0.4513



18.1280, 0.1053, 0.2107

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



18.1290, 0.4414, 0.2329



64.1451, 0.3372, 0.2934



10.0454, 0.2085, 0.1020



12.8705, 0.3416, 0.2882



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.1290, 0.4414, 0.2329



23.1742, 0.4778, 0.2406



16.5386, 0.5918, 0.3222



13.1712, 0.3206, 0.3162



9.7685, 0.4732, 0.2380



0.6501, 0.4416, 0.2206

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



18.1290, 0.4414, 0.2329



23.1742, 0.4778, 0.2406



55.5286, 0.2324, 0.3460



13.1712, 0.3206, 0.3162



9.7685, 0.4732, 0.2380



0.6501, 0.4416, 0.2206

Previews

White Background



This preview shows how the Yxy color 18.1280, 0.4414, 0.2329 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 18.1280, 0.4414, 0.2329 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

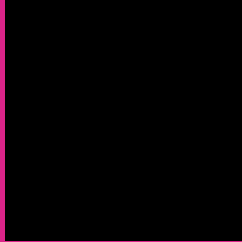
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.1280, 0.4414, 0.2329

Background



This preview shows how black text looks on a background with the Yxy color 18.1280, 0.4414, 0.2329.



This preview shows how white text looks on a background with the Yxy color 18.1280, 0.4414, 0.2329.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

18.1280, 0.4414, 0.2329

Protanopia

18.6208, 0.2227, 0.2088

Deuteranopia

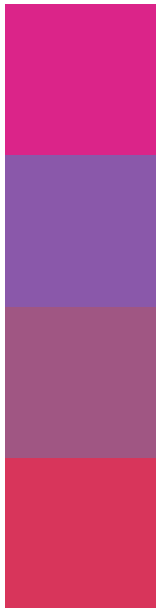
18.2556, 0.3113, 0.3050



Tritanopia

18.1230, 0.5486, 0.3270

Trichromacy



Original Color

18.1280, 0.4414, 0.2329

Protanomaly

15.2850, 0.2779, 0.2001

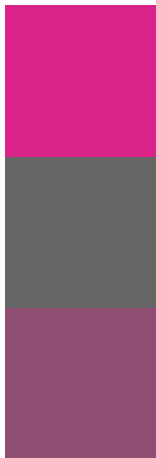
Deuteranomaly

15.7679, 0.3591, 0.2583

Tritanomaly

17.9005, 0.5154, 0.2931

Monochromacy



Original Color

18.1280, 0.4414, 0.2329

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

12.7063, 0.3649, 0.2650

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.1280, 0.4414, 0.2329 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(219, 36, 137)` looks like.

```
.text, #text, p{  
    color:rgb(219, 36, 137)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(219, 36, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 36, 137) }
```

Border

The CSS property to change the border of an element to Yxy 18.1280, 0.4414, 0.2329 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(219, 36, 137) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(219, 36, 137) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(219, 36, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 36, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 36, 137);  
box-shadow:4px 4px 4px 4px rgb(219, 36,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 18.1280, 0.4414, 0.2329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 36, 137) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(219, 36,  
137) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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